

WHAT IS CLAIMED IS:

1. An outer rotor type motor drive blower comprising a shaft rotatably supported by bearings in a motor yoke or an impeller, the impeller being integrally formed with the motor yoke, and the impeller rotating around a stator together with the motor yoke to generate an air-blow wherein:

    said motor yoke is formed to have at least a cylindrical portion;

    said impeller has a cylindrical portion within which at least said motor yoke can be fixedly attached and has fans around the outer circumference of the cylindrical portion, said impeller has hooking members with said motor yoke integrally formed of elastic synthetic resin; and

    said motor yoke and said impeller are integrally formed with each other while said motor yoke is fixedly attached within the cylindrical portion of said impeller and said hooking members are engaged with said motor yoke.

2. An outer rotor type motor drive blower comprising a shaft rotatably supported by bearings in a motor yoke or an impeller, the impeller being integrally formed with the motor yoke, and the impeller rotating around a stator together with the motor yoke to generate an air-blow wherein:

    said motor yoke is formed to have a substantially bottomed cylindrical shape provided with said shaft and through holes on a bottom surface;

    said impeller has a bottomed cylindrical portion within which said motor yoke can be fixedly attached and has fans around the outer circumference of the bottomed cylindrical portion, said impeller has bosses provided with hooking projection portions around the outer circumference at tip ends inside of a bottom surface of the bottomed cylindrical portion and integrally formed of elastic synthetic resin; and

    said motor yoke and said impeller are integrally formed with each other while said motor yoke is fixedly attached within the bottomed cylindrical portion of said impeller, and said bosses are press-fitted in said through holes and the hooking projection portions of said bosses are engaged with end edges of said through holes when the fitting and fixing

are performed.

3. An outer rotor type motor drive blower comprising a shaft rotatably supported by bearings in a motor yoke or an impeller, the impeller being integrally formed with the motor yoke, and the impeller rotating around a stator together with the motor yoke to generate an air-blow wherein:

    said motor yoke is formed to have a substantially bottomed cylindrical shape provided with said shaft;

    said impeller has a flanged cylindrical portion within which at least a cylindrical portion of said motor yoke and edge portions of an outer circumference of a bottom portion of said motor yoke can be fixedly attached and has fans around the outer circumference of the flanged cylindrical portion, said impeller having hooking claws to an opening edge of said motor yoke and formed of elastic synthetic resin; and

    said motor yoke and said impeller are integrally formed with each other while said motor yoke is fixedly attached within the flanged cylindrical portion of said impeller, and said hooking claws are engaged with the opening edge of said motor yoke.

4. An outer rotor type motor drive blower comprising a shaft rotatably supported by bearings in a motor yoke or an impeller, the impeller being integrally formed with the motor yoke to generate an air-blow, and the impeller rotating around a stator together with the motor yoke, wherein:

    said motor yoke is formed to have at least a cylindrical portion;

    said impeller has said shaft, a bottomed cylindrical portion within which said motor yoke can be fixedly attached and has fans around the outer circumference of the bottomed cylindrical portion; said impeller having hooking claws to an opening edge of said motor yoke and formed of elastic synthetic resin; and

    said motor yoke and said impeller are integrally formed with each other while said motor yoke is fixedly attached within the bottomed cylindrical portion of said impeller, and said hooking claws are engaged with the opening edge of said motor yoke.